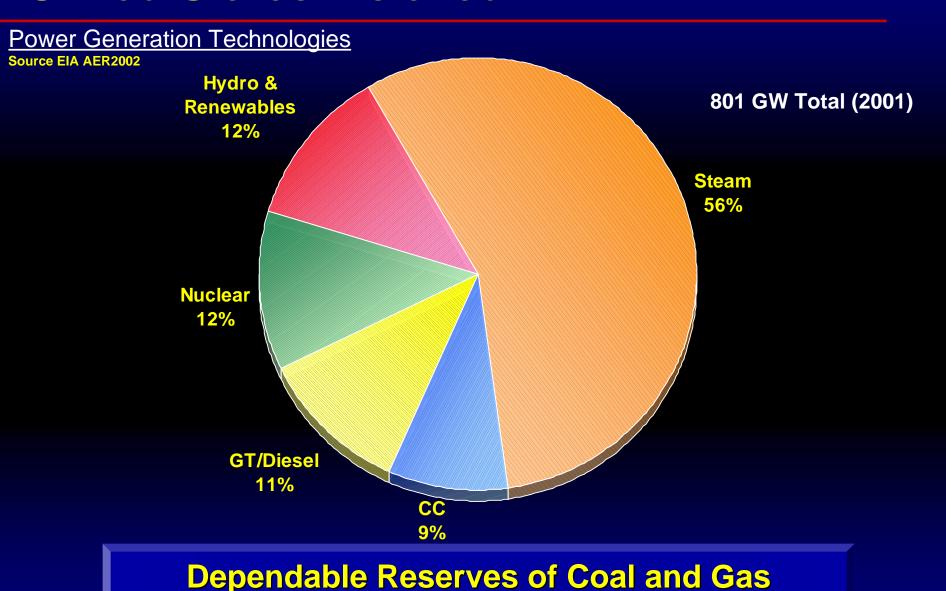


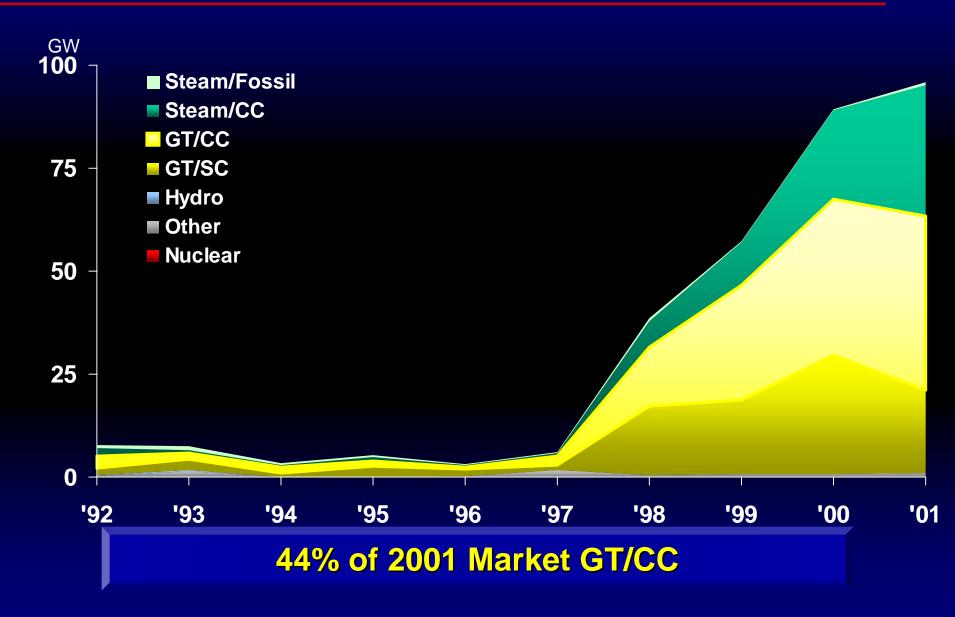
Natural Gas – The Fuel of Choice for Electricity Generation??

Chris Maslak GE Power Systems May 14, 2002

United States Installed

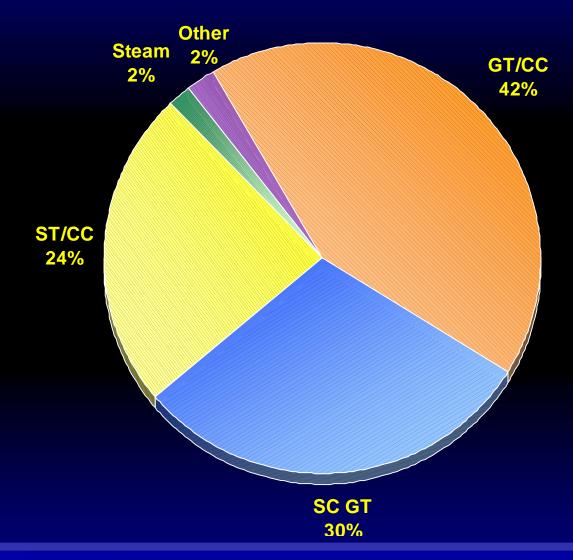


United States Orders By Technology



United States Orders By Technology

1992 - 2001



72% Gas Turbine Based Technology

Future Additions



Multiple Factors Influencing Technology Decision

Power Generation Technology Selection

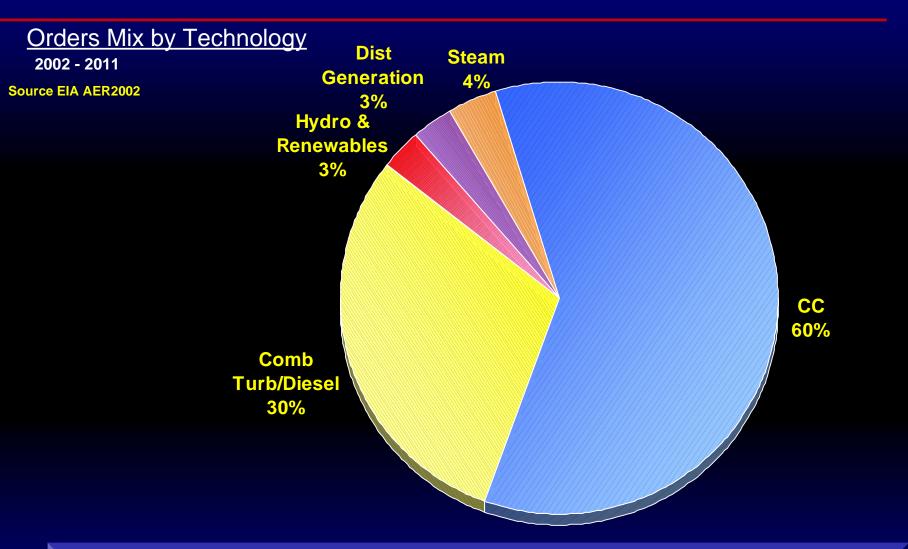
Power Generation CTQs	Natural Gas CC	Natural Gas SC	Pulverized Coal	၁၁၅၊	Hydro	Nuclear
Short Cycle (Order to Operation)	X	X				
Very Low Emissions	X	X				
Ease of Permitting	X	X				
Low Capital Cost	X	X				
High Efficiency	X	X				
High Power Density – Compact Arrangement	X	X				
Fuel Diversity			X	X	X	X
Fuel Price Stability			X	X	X	X

United States (2001-2010)

United States:

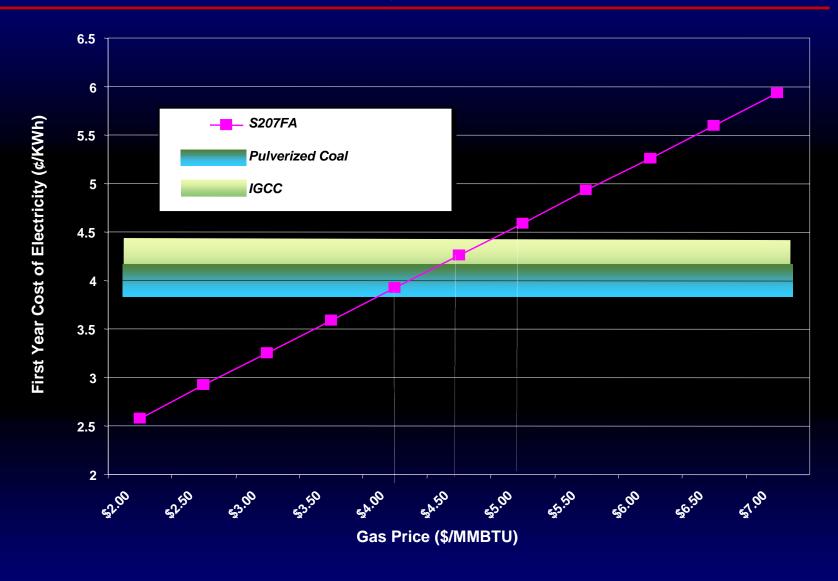
- Stringent Emissions Standards Make Natural Gas
 The Fuel of Choice
- Electricity Price Volatility Decreasing
- Forecast Period Assumption: NG < \$4/MBTU
- Selective Coal Additions in Indigenous Coal States
- California Crisis Prompting States to Re-Examine Deregulation

United States

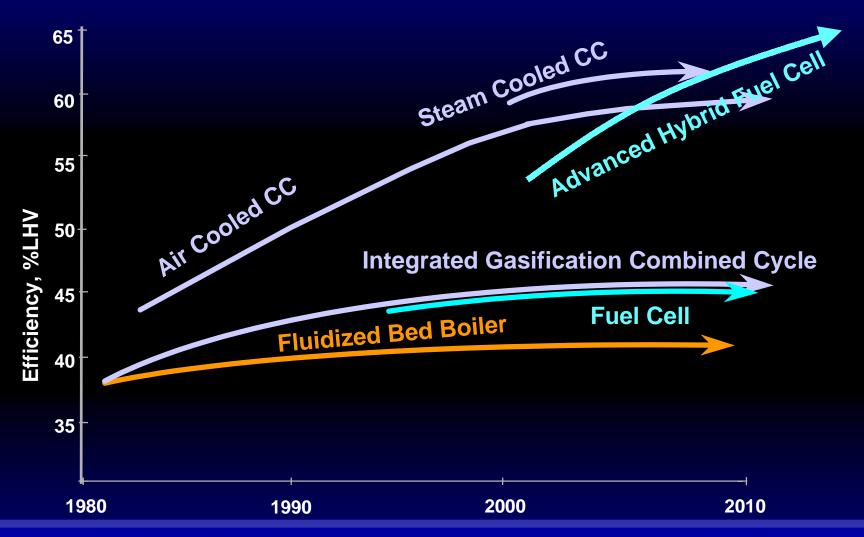


Gas Turbine Technology the Overwhelming Selection

Coal vs. Gas Option Analysis

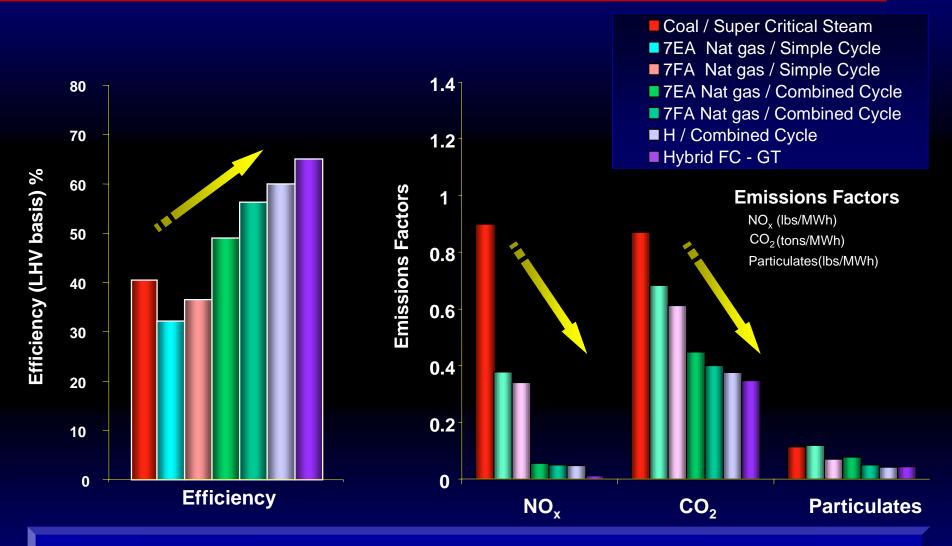


Power Plant Efficiency Trends



Technology Evolution Driven by Fuels, Emissions & Cost

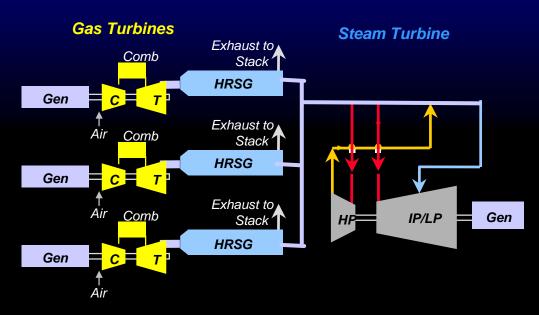
Power Generation Technology Progress



Technology Enables Higher Efficiency, Lower Emissions

7251FB Launch Site





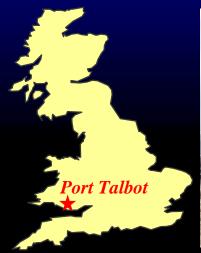
- Rating: 844 MW
- Launch Site: Reliant Energy, Hunterstown, PA
 - 307FB Power Plant
 - Site Construction Black & Veatch
 - Site Work Began 2Q 2001
 - FSFL Simple Cycle Field Testing May, 2002
 - Commercial Operation of 307FB CC Begins 2Q 2003

Launch 7FB in Field Testing

9H System Launch Site



9H Gas Turbine on Route to the BP Baglan Bay Complex



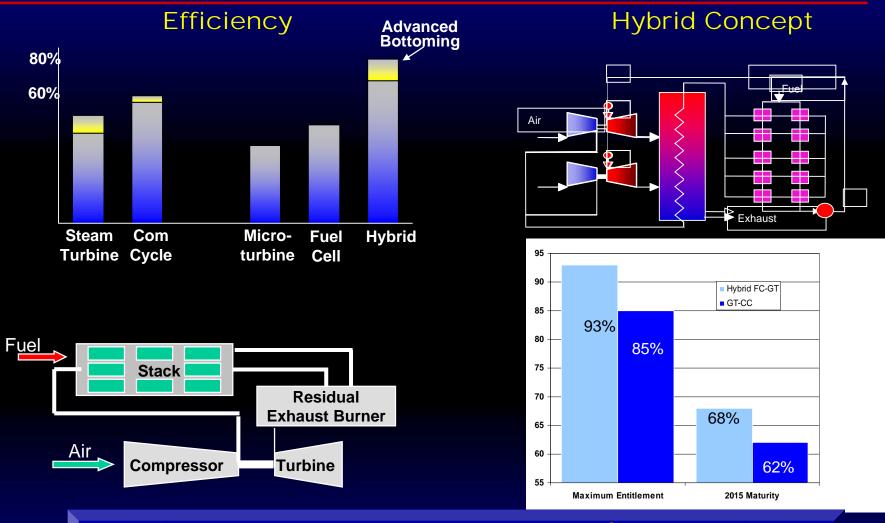


Baglan Bay Energy Park Complex Plant Construction – September 2001

- 109H Rating: 480MW
- Launch Site: Baglan Bay, Port Talbot, Wales, UK
 - Jointly Developed Plant with British Petroleum AMOCO
 - 1 x 109H Power Plant
 - Operation 2002

Construction 95% Complete

SOFC Hybrid System



Attractive Efficiency & Emissions Characteristics But ... A Long Term Development Play

Summary

- Market, Regulatory and Environmental Uncertainties
- Short Cycle, High Efficiency, Low Emissions Combine Cycle
 Systems Is the Fastest Growing Technology
- Continued Focus on Generation Technology Advancements Driven by Customer Value Creation
- Upgrading Gas Turbine, Steam Turbine and Generator Technology for High Efficiency Combined-Cycle Systems
- Fuel Flexibility Through Low Btu and IGCC Technology
- Exploring Breakthrough Technologies and Driving for Cost Effectiveness
- Natural Gas Fuel Segment Growing
- US Natural Gas Prices Moderating and Expected to Stabilize
- Market Demanding Technology Advances That Deliver Lower Life Cycle Costs

Natural Gas SC & CC System Will Be the Near Term Technology of Choice